

Patent Docket No. ATOTP0109US

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant: Capper et al.  
Serial No.: 10/789,175  
Filed: February 26, 2004  
For: ARTICLES WITH ELECTROPLATED ZINC-NICKEL TERNARY AND HIGHER ALLOYS,  
ELECTROPLATING BATHS, PROCESSES AND SYSTEMS FOR ELECTROPLATING SUCH ALLOYS  
Art Unit: Not yet known  
Examiner: Not yet known

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1345

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: \_\_\_\_\_  
Filing Date: \_\_\_\_\_

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

- (a) \_\_\_\_ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
- (b) \_\_\_\_ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

- (a) ☒ Within 3 months of the filing date, date of entry into the National Stage, or filing date of RCE.
- (b) \_\_\_\_ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988 for consideration of this Statement.
- (c) \_\_\_\_ Before the mailing date of a first Office Action on the merits after a first or second submission after final rejection under 37 C.F.R. 1.129(a).

(d) \_\_\_ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1) \_\_\_ The required certification is given below, or

(2) \_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3) \_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988

(e) \_\_\_ After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1) \_\_\_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p), or

(2) \_\_\_ Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 18-0988.

4. Certification (if applicable)

(a) \_\_\_ The undersigned hereby certifies that each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

(b) \_\_\_ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 18-0988.

Respectfully Submitted,

RENNER, OTTO, BOISSELLE & SKLAR, LLP

By \_\_\_\_\_

Thomas W. Adams  
Reg. No. 35,047

1621 Euclid Avenue, 19th Floor  
Cleveland, Ohio 44115  
(216) 621-1113

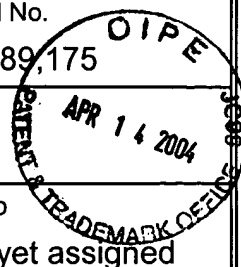
**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8**

I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: April 12, 2004

Janet Farr  
Janet Farr

Form PTO-1449 (Modified)  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	Atty Docket No. <b>ATOTP0109US</b>	Serial No. <b>10/789,175</b>
	Applicant: <b>Capper et al.</b>	
	Filing Date <b>02/26/04</b>	Group <b>Not yet assigned</b>



## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	4,060,506	11/29/77	Verbanac	260	17.4	
	4,285,802	08/25/81	Rynne	204	43	
	4,469,564	09/04/84	Okinaka et al.	204	15	
	4,652,351	03/24/87	Vaughan	204	105	
	4,765,871	08/23/88	Hsu et al.	204	44.2	
	4,772,362	09/20/88	Martin et al.	204	44.2	
	4,861,442	08/29/89	Nishihama et al.	204	44.2	
	4,877,496	10/31/89	Yanagawa et al.	204	44.2	
	4,889,602	12/26/89	Oshima et al.	204	38.1	
	4,898,652	02/06/90	Bammel et al.	204	44.2	
	4,983,263	01/08/91	Yasuda et al.	204	44.2	
	5,003,022	03/26/91	Nguyen et al.	527	300	
	5,147,907	09/15/92	Rinck et al.	524	48	
	5,304,403	04/19/94	Schlesinger et al.	427	437	
	5,405,523	04/11/95	Eckles	205	245	
	5,416,181	05/16/95	Nguyen et al.	527	300	
	5,417,840	05/23/95	Block et al.	205	246	
	5,435,898	07/25/95	Commander et al.	205	245	
	5,462,983	10/31/95	Bloembergen et al.	524	51	
	5,800,870	09/01/98	Luebke et al.	427	369	
	5,883,762	03/16/99	Calhoun et al.	360	113	
	6,040,379	03/21/00	Luebke et al.	524	734	
	6,468,411 B1	10/22/02	Eckles et al.	205	246	
	6,602,394 B1	08/05/03	Hillebrand	205	246	
	6,652,728 B1	11/25/03	Sonntag	205	143	

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation	
						Yes	No
	9-87885	31/03/97	JP			abstract	
	10-60683	03/03/98	JP			abstract	
	1 602 404	11/11/81	GB				
	01/96631 A1	20/12/01	WO				

## OTHER ART

Examiner Initial	Author, Title, Date, Pertinent Pages, etc.
	Hu et al.; "The Cracking and Decohesion of Thin Films on Ductile Substrates"; Acta Metal., 37, 3 (pp. 917-925) 1989.
	Ramanauskas et al.; "Corrosion Resistance and Microstructure of Electrodeposition Zn and Zn Alloy Coatings"; Surface and Coatings Technology 92 (1997) pp. 16-21.
	C.M. Vlad; "Texture and Corrosion Resistance of Metallic Coatings"; Institut für Metallkunde and Metallphysik, TU Clausthal, FRG; pp. 199-212. Date unknown.
	Nash et al.; "The Ni-Zn (Nickel-Zinc System)"; Bulletin of Alloy Phase Diagrams; Vol. 9, No. 5; 1987; pp. 422-430.
	Noumi et al.; "Newly Developed Ni-Zn Alloy Plated Steel Sheet "SZ" and Its Application to Automotive Uses"; Society of Automotive Engineers, Inc.; 1982.
	Gage et al.; "Corrosion Testing of Zinc and Zinc Alloy Electrodeposited Coatings"; Materials Research Laboratory, Defence Science and Technology Organization; Melbourne, Australia; (pp. 65-1-65-15). Date unknown.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## Information Disclosure Statement PTO-1449 (Modified)

The identification of any reference is not intended to be, and should not be understood as being, an admission that such publication, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given reference may have a later effective date than first seems apparent or the reference may have an effective date which can be antedated. The "prior art" status of any reference is a matter to be resolved during prosecution.

Z:\SEC132\Adams-Tom\Client Files\ATOTATOT109\IDS.wpd (IDS1449.FRM) (2/97)